

REMARKS

This Amendment is in response to the Office Action dated August 23, 2004. In the Office Action, Figs. 6-13 and 15-20 and claim 1 was objected to, claims 1, 7, 12 and 18 were rejected under 35 USC §112, and claims 1-21 were rejected under 35 USC §103. By this Amendment, claims 1, 7, 12 and 18 are amended and new claims 22-25 are added. Currently pending claims 1-25 are believed allowable, with claims 1, 7, 12 and 18 being independent claims.

AMENDMENTS THE DRAWINGS:

Figs. 6-13 and 15-20 were objected to as designating that which is the invention as "Prior Art". The "Prior Art" caption, which was placed in the drawings erroneously, is removed from Figs. 6-13 and 15-20 by this Amendment.

CLAIM OBJECTIONS:

Claim 1 was objected to because of the expression "a processor, said processor in turn comprising." By this Amendment, claim 1 is amended to recite "a processor comprising," as recommended by the Examiner.

CLAIM REJECTIONS UNDER 35 USC §112:

Claims 1, 7, 12 and 18 were rejected under 35 USC §112 for containing terms lacking antecedent basis. By this Amendment, claims 1, 7, 12 and 18 are amended to overcome these rejections.

No new matter is added by the amendments to claims 1, 7, 12 and 18. Furthermore, these amendments are not made to overcome the prior art teachings or for reasons of patentability.

CLAIM REJECTIONS UNDER 35 USC §103:

Claims 1-21 were rejected under 35 USC §103 as being obviousness in light of U.S. Patent No. 6,317,858 to Cameron ("Cameron").

A *prima facie* case for obviousness can only be made if the combined reference documents teach or suggest all the claim limitations. MPEP 2143.

Claim 1:

Claim 1 recites, in part, "wherein the processor comprises a three stage multiplier, the three stage multiplier including an input side XOR calculator group, an AND calculator group, and an output side calculator group." Application, claim 1, lines 12-14. Support for this claim element can be found at least on page 24, lines 10-15, and page 33, lines 20-26.

It is respectfully submitted that the above-cited limitations are not taught or suggested by the cited art. For at least this reason, it is respectfully submitted that claim 1 is allowable. Indication of allowance of claim 1 is earnestly requested.

Claims 2-6 and 22:

Claims 2-6 and 22 are dependent on and further limit claim 1. Since claim 1 is believed allowable, claims 2-6 and 22 are also believed allowable for at least the same reasons as claim 1.

Claim 7:

Claim 7 recites, in part, "wherein the processing means comprises a three stage multiplier, the three stage multiplier including an input side XOR calculator group, an AND calculator group, and an output side calculator group." Application, claim 7, lines 21-23. Support for this claim element can be found at least on page 24, lines 10-15, and page 33, lines 20-26.

It is respectfully submitted that the above-cited limitations are not taught or suggested by the cited art. For at least this reason, it is respectfully submitted that claim 7 is allowable, and indication of allowance is earnestly requested.

Claims 8-11 and 23:

Claims 8-11 and 23 are dependent on and further limit claim 7. Since claim 7 is believed allowable, claims 8-11 and 23 are also believed allowable for at least the same reasons as claim 7.

Claim 12:

Claim 12 recites, in part, "employing a three stage multiplier, the three stage multiplier including an input side XOR calculator group, an AND calculator group, and an output side calculator group." Application, claim 12, lines 14-16. Support for this claim element can be found at least on page 24, lines 10-15, and page 33, lines 20-26.

It is respectfully submitted that the above-cited limitations are not taught or suggested by the cited art. For at least this reason, it is respectfully submitted that claim 12 is allowable, and indication of allowance is earnestly requested.

Claims 13-17 and 24:

Claims 13-17 and 24 are dependent on and further limit claim 12. Since claim 12 is believed allowable, claims 13-17 and 24 are also believed allowable for at least the same reasons as claim 12.

Claim 18:

Claim 18 recites, in part, "wherein the processing means comprises a three stage multiplier, the three stage multiplier including an input side XOR calculator group, an AND calculator group, and an output side calculator group." Application, claim 18, lines 21-23. Support for this claim element can be found at least on page 24, lines 10-15, and page 33, lines 20-26.

It is respectfully submitted that the above-cited limitations are not taught or suggested by the cited art. For at least this reason, it is respectfully submitted that claim 12 is allowable, and indication of allowance is earnestly requested.

Claims 19-21 and 25:

Claims 19-21 and 25 are dependent on and further limit claim 18. Since claim 18 is believed allowable, claims 19-21 and 25 are also believed allowable for at least the same reasons as claim 18.

NEW CLAIMS:

By this Amendment, dependent claims 22-25 are newly introduced. Support for subject matter contained in claims 22-25 can be found at least at page 63, lines 1-15.

It is respectfully submitted that the limitations of claims 22-25 are not taught or suggested by the cited art. For at least this reason, it is respectfully submitted that claims 22-25 are allowable and indication of allowance is earnestly requested.

CONCLUSION

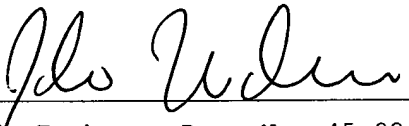
In view of the forgoing remarks, it is respectfully submitted that this case is now in condition for allowance and such action is respectfully requested. If any points remain at issue that the Examiner feels could best be resolved by a telephone interview, the Examiner is urged to contact the attorney below.

A fee of \$72 for four new dependent claims is due with this Amendment. No other fee is believed due, however, should a fee be required please charge

Deposit Account 50-0510. Should any extensions of time be required, please consider this a petition thereof and charge Deposit Account 50-0510 the required fee.

Respectfully submitted,

Dated: November 18, 2004


Ido Tuchman, Reg. No. 45,924
Law Office of Ido Tuchman
69-60 108th Street, Suite 503
Forest Hills, NY 11375
Telephone (718) 544-1110
Facsimile (718) 544-8588